

# State of Colorado Oil and Gas Conservation Commission

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Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

400862612

Date Received:

07/02/2015

Spill report taken by:

Spill/Release Point ID:

## SPILL/RELEASE REPORT (INITIAL /w SUPPLEMENTAL)

This form is to be submitted by the party responsible for the oil and gas spill or release. Any spill or release which may impact waters of the State must be reported as soon as practicable; any spill over 20 bbls must be reported within 24 hours and all spills over five bbls must be reported within ten days. Submit a Site Investigation and Remediation Workplan (Form 27) when requested by the Director.

### OPERATOR INFORMATION

Name of Operator: KERR MCGEE OIL & GAS ONSHORE LP	Operator No: 47120	<b>Phone Numbers</b>
Address: P O BOX 173779		Phone: (970) 336-3500
City: DENVER	State: CO	Mobile: (970) 515-1238
Zip: 80217-3779		Email: Sam.LaRue@anadarko.com
Contact Person: Sam LaRue		

### INITIAL SPILL/RELEASE REPORT

Initial Spill/Release Report Doc# 400862612

Initial Report Date: 07/02/2015 Date of Discovery: 07/01/2015 Spill Type: Historical Release

#### Spill/Release Point Location:

Location of Spill/Release: QTRQTR SWSW SEC 19 TWP 3N RNG 66W MERIDIAN 6

Latitude: 40.205743 Longitude: -104.826514

Municipality (if within municipal boundaries): Platteville County: WELD

#### Reference Location:

Facility Type: TANK BATTERY ☒ Facility/Location ID No 318916☐ No Existing Facility or Location ID No.☐ Well API No. (Only if the reference facility is well) 05- -

#### Fluid(s) Spilled/Released (please answer Yes/No):

Was one (1) barrel or more spilled outside of berms or secondary containment? Yes

Secondary containment, **including walls & floor regardless of construction material**, must be sufficiently impervious to contain any discharge from primary containment until cleanup occurs.

Were Five (5) barrels or more spilled? No

Estimated Total Spill Volume: use same ranges as others for values

Estimated Oil Spill Volume(bbl): 0

Estimated Condensate Spill Volume(bbl): Unknown

Estimated Flow Back Fluid Spill Volume(bbl): 0

Estimated Produced Water Spill Volume(bbl): Unknown

Estimated Other E&amp;P Waste Spill Volume(bbl): 0

Estimated Drilling Fluid Spill Volume(bbl): 0

Specify:

#### Land Use:

Current Land Use: NON-CROP LAND

Other(Specify):

Weather Condition: 80's Cloudy.

Surface Owner: FEE

Other(Specify):

#### Check if impacted or threatened by spill/Release (please answer Yes/No to all that apply):

Waters of the State ☒ Residence/Occupied Structure ☐ Livestock ☐ Public Byway ☐ Surface Water Supply Area ☐

As defined in COGCC 100-Series Rules

Describe what is known about the spill/release event (what happened -- including how it was stopped, contained, and recovered):

On July 1, 2015, historical impacts were discovered beneath the produced water sump during closure activities at the Platteville 63N66W/19SWSW production facility. Groundwater was encountered in the excavation at approximately 6 feet below ground surface (bgs). Approximately 80 barrels of impacted groundwater were removed via vacuum truck and transported to a licensed injection facility for disposal. A groundwater sample (GW01) was subsequently collected from the excavation and submitted to Origins Laboratory in Denver, Colorado for analysis of benzene, toluene, ethylbenzene, and total xylenes (BTEX) by USEPA Method 8260B. Analytical results indicated that benzene and toluene concentrations in groundwater sample GW01 were above the applicable COGCC Table 910 -1 groundwater standards. Groundwater analytical results are summarized in Table 2.

**List Agencies and Other Parties Notified:**

**OTHER NOTIFICATIONS**

Date	Agency/Party	Contact	Phone	Response
7/2/2015	County	Tom Parko	--Email	
7/2/2015	County	Roy Rudusill	--Email	
7/2/2015	Private	Landowner	--Email	
7/2/2015	City of Platteville	Troy Renken	--Email	

**SPILL/RELEASE DETAIL REPORTS**

#1	Supplemental Report Date: 07/02/2015		
<b>FLUIDS</b>	BBL's SPILLED	BBL's RECOVERED	Unknown
OIL	0	0	<input type="checkbox"/>
CONDENSATE			<input checked="" type="checkbox"/>
PRODUCED WATER			<input checked="" type="checkbox"/>
DRILLING FLUID	0	0	<input type="checkbox"/>
FLOW BACK FLUID	0	0	<input type="checkbox"/>
OTHER E&P WASTE	0	0	<input type="checkbox"/>

specify: \_\_\_\_\_

Was spill/release completely contained within berms or secondary containment? NO Was an Emergency Pit constructed? NO

*Secondary containment, **including walls & floor regardless of construction material**, must be sufficiently impervious to contain any discharge from primary containment until cleanup occurs.*

**A Form 15 Pit Report shall be submitted within 30 calendar days after the construction of an emergency pit**

Impacted Media (Check all that apply) ☒ Soil ☒ Groundwater ☐ Surface Water ☐ Dry Drainage Feature

Surface Area Impacted: Length of Impact (feet): 19 Width of Impact (feet): 50

Depth of Impact (feet BGS): 6 Depth of Impact (inches BGS): 0

How was extent determined?

On July 1, 2015, historical impacts were discovered beneath the produced water sump during closure activities at the Platteville 63N66W/19SWSW production facility. Approximately 230 yards of impacted material were excavated and transported to the Kerr-McGee Land Treatment Facility in Weld County, Colorado for disposal. Excavation activities were guided in the field using a photoionization detector (PID) to field screen soil samples for volatile organic compound (VOC) concentrations. Six soil samples were collected from the sidewalls of the final extent of the excavation area at approximately 5 feet below ground surface (bgs). The soil samples were submitted to Origins Laboratory for analysis of benzene, toluene, ethylbenzene, total xylenes (BTEX) and, total petroleum hydrocarbons (TPH) - gasoline range organics (GRO) by USEPA Method 8260B, TPH - diesel and oil range organics (DRO and ORO) by USEPA Method 8015, electrical conductivity (EC), and pH. Analytical results indicated that soil samples collected from the final extent of the excavation area were below the applicable COGCC Table 910-1 standards. Groundwater was encountered in the excavation area at approximately 6 feet bgs. Approximately 80 barrels of impacted groundwater were removed via vacuum truck and transported to a licensed injection facility for disposal. A groundwater sample (GW01) was subsequently collected from the excavation and submitted for laboratory analysis of BTEX by USEPA Method 8260B. Analytical results indicated that groundwater sample GW01 exhibited benzene and toluene concentrations above the applicable COGCC Table 910-1 groundwater standards. Soil and groundwater sample locations are illustrated in Figure 2 and soil and groundwater analytical results are summarized in Table 1 and Table 2, respectively. A site specific Form 27 will be submitted to COGCC outlining a remediation work plan.

Soil/Geology Description:

Depth to Groundwater (feet BGS)	<u>6</u>	Number Water Wells within 1/2 mile radius:				<u>31</u>		
If less than 1 mile, distance in feet to nearest	Water Well	<u>235</u>	None	<input type="checkbox"/>	Surface Water	<u>350</u>	None	<input type="checkbox"/>
	Wetlands	<u></u>	None	<input checked="" type="checkbox"/>	Springs	<u></u>	None	<input checked="" type="checkbox"/>
	Livestock	<u>1240</u>	None	<input type="checkbox"/>	Occupied Building	<u>530</u>	None	<input type="checkbox"/>

\_\_\_\_\_

## CORRECTIVE ACTIONS

Describe Incident & Root Cause (include specific equipment and point of failure)
Historical impacts were discovered during the closure of the produced water sump at the Platteville 63N66W/19SWSW production facility. All associated fittings and equipment were working properly and showed no indication of leaking.

Volume of Soil Excavated (cubic yards): 230

Disposition of Excavated Soil (attach documentation) ☒ Offsite Disposal ☐ Onsite Treatment

☐ Other (specify) \_\_\_\_\_

Volume of Impacted Ground Water Removed (bbls):	80
Volume of Impacted Surface Water Removed (bbls):	0

## REQUEST FOR CLOSURE

Basis for Closure:

- ☐ Corrective Actions Completed (documentation attached)
- ☐ Work proceeding under an approved Form 27

Form 27 Remediation Project No:

Signed: \_\_\_\_\_ Print Name: Sam LaRue

Title: Senior HSE Representative Date: 07/02/2015 Email: Sam.LaRue@anadarko.com

## Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400862697	FORM 19 SUBMITTED
400862707	SITE MAP
400862848	TOPOGRAPHIC MAP
400862849	ANALYTICAL RESULTS

Total Attach: 4 Files

**General Comments**

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)